



EH&S Reporting Activities for June 2005

➤ Key Activities

- As of June 30th, Jefferson Lab had achieved **332** consecutive days without a lost-time injury. The Lab record is **455** consecutive days without a lost-time injury.

There were two DOE reportable injuries in June and three reportable injuries to date in FY 2005. A Cryogenics Group worker had a June 7th infected insect bite injury, and an Electrical Systems support worker had a June 22nd leg laceration injury. **Let's Remember that Zero Injuries is our Goal!!**

Four other June events were screened for OSHA injury/illness recordability. Three "1st aid" cases were as follows: A CFO worker's June 22nd minor finger injury resulted from closing a drawer on her fingers; an Engineering Department worker's June 28th toe injury in the CEBAF Center Auditorium; an Institute for SRF worker (ISRF) was medically evaluated and not found to have any acid skin exposure from a June 16th potential event. Also an ISRF worker's hearing test, a Standard Threshold Shift (STS), was determined to be unrelated to an occupational noise exposure.

- The Director of the Office of Science (SC) recently requested all SC laboratories to begin reporting student and scientific user recordable injuries. This request was reviewed for JLab implementation by EH&S Reporting. Scientific user injuries and most student injuries were already being reported so only minor program adjustments were necessary.
- MS4 Annual Report – The annual report, summarizing how the Lab is progressing at meeting the storm water pollution prevention goals under this permit, was provided to the Department of Conservation and Recreation.
- Environmental Management System (EMS) Audit – The EMS Management Representative was finalizing the arrangements for the initial EMS internal audit that will take place during the first two weeks in August.

➤ Other Activities

Occurrence Reporting

- There was one June Significance Category 4 (lowest DOE occurrence reporting, ORPS, level) event.
 - A June 28th minor natural gas line break at the CEBAF Center addition was reported to the ORPS. There were no personnel injuries and the construction site and adjacent office areas were evacuated as a precaution. Virginia Natural Gas promptly responded and secured the line within 30 minutes.

- EH&S Reporting submitted the April 20th CEBAF Center fall Final Report to the ORPS in June. This event was a Significance Category 3 report.
- A June 16th Test Lab R&D Chem Room potential acid exposure event was evaluated for ORPS reporting. The minor chemical hazard potential was determined to be below reporting thresholds.
- EH&S Reporting provided four EH&S articles for the Lab's On Target Briefs in June.
- Facilities Management coordinated the JLab response to a DOE FY 2007 Materials Disposition data call. The response provided estimated disposal costs for radioactive waste in addition to hazardous and toxic wastes. Radiation Control and Industrial Hygiene staff provided inputs for the response
- Carter Ficklen received the 2005 Community Volunteer Service Award from the Volunteer Center of the United Way of the Virginia Peninsula (VCUWVP). The award was presented at the June 28th VCUWVP annual recognition banquet. Carter was honored for VCUWVP Board of Directors service from 1980 to 2003 with the exception of seven years (1988-1995) when he was on the UWVP Board of Directors. Mary Erwin currently serves on the VCUWVP Board of Directors.
- A Consumer Product Safety Commission (CPSC) alert on Bosch circular saws was evaluated in June. The evaluation concluded that JLab does not have any of the subject saws and the CPSC information was provided to CEBAF Center Addition staff.

Environmental Management System (EMS)

- A series of new Standard Operating Procedures (SOPs) for activities involving significant aspects such as Wastewater Discharge-Surface-Stormwater were drafted by Directorate, Accelerator, and Administration Division EMS Implementation Team members.
- The upcoming EMS awareness training was under development by the Training and Performance Office and EH&S Reporting.

NEPA (National Environmental Policy Act)

- Actions requiring NEPA review in June included finalizing a categorical exclusion (CX) for the South Connector Road/Main Entrance project and parking area.

Work Smart Standards (WSS) Set

- EH&S Reporting continued working with the Policy and Manuals staff to incorporate a review of WSS items along with EH&S Manual updates.

EH&S Policies & Manual Group Highlights

June 2005

➤ Policies & Manual Group Initiatives

- Received comments from R. Yasky about inconsistencies in the list of Facilities Management's (FM) Hazard Subject Matter Experts in Appendix 2410-T1. Christina coordinated changes with the chapter author and FM.
- Provided an early update (6/2/05) of the color-coded table to B. Meier in response to his request for an EH&S Manual documents status update.
- Held preliminary discussion with MIS Group on proposed changes tracking EH&S Manual documents revisions. Also explored possibility of developing web-based chapter reviews using Fermi's process as a benchmark.

➤ EH&S Manual Updates

- **Chapter 3130, *FEL Experimental Equipment*** Review – received minor changes from author involving updates to various committee memberships. Triennial review will be complete after administrative changes have been completed.
- **Chapter 3220, *Communication of Hazards to Employees and Users*** - Received mark-up from John Kelly. John is the former author of this chapter and is continuing with the update in the absence of a new author assignment. The changes are not significant, however, Christina is coordinating with Bert Manzlak to ensure the updated chapter guidance and SAF100, New Employee EH&S Orientation content, are consistent prior to posting the changes to the online manual.
- **Chapter 6140, *Cranes and Hoists***, we prepared an author's summary and verified that the references cited in the chapter and appendices were included in the WSS set. Those that were not in the set were deleted from the chapter. The Level 4 Director's Council (DC) packages were delivered to the Office of Assessment on June 28, 2005 for distribution to the DC members.
- **Technical Appendix 6131-T1, *Fall Protection System*** - the author requested the addition of newly provided information on body harness inspections. At month's end, the PMG manager was assisting with the integration of this information into the technical appendix. See [PMG-2005-54-01](#).
- **Chapter 6220, *AC Power Distribution***, Awaiting author's resolution of comments from Level 3 review. Butch Meier is assisting with this review and update. **Status:** No change from the previous month's highlights. Sent request for status update at month's end.
- **Chapter 6230, *Electronic Equipment Safety*** – chapter and appendix pulled from Level 4 review pending additional changes from Electrical Safety Subcommittee in coordination with B. Meier. Sent request for status update at month's end.
- **Chapter 6315, *Environmental Monitoring of Ionizing Radiation***, final changes from the author were received mid-month. Level 3 comparison document preparation in progress at month's end.
- **Chapter 6410, *Laser Safety*** – sent out for Level 2 review (6/20/05), comments are requested back by 7/6/05. Note: Chapter review was initiated outside the triennial review cycle in response to internal audit finding. See: [PMG-2005-53-01](#)
- **Chapter 6440, *Static Magnetic Fields***, Level 4 review packages were delivered on Friday, June 3, 2005 for distribution to Director's Council on Wednesday, June

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- 8, 2005. Approvals were provided by June 22, 2005. At month's end, we were reviewing approval sheets, reconciling comments and preparing the chapter for upload to the online manual.
- **Chapter 6620, *Personal Protective Equipment***, sent a request to the author to integrate body harness guidelines into the chapter. This request was initiated as a compliment to the modifications to Appendix 6131-T1. See: [PMG-2005-57-01](#)
 - **Chapter 6630, *Respiratory Protection***, - the comparison document was reviewed and approved by Physics Division. The primary change involved moving the Voluntary Use Respirators section to the end of the chapter and revising the text to align more closely with what is written in the OSHA standard. The revision was managed as an administrative change and did not require DC review. The revised chapter was uploaded on June 30, 2005 as part of the EH&S Manual 7.5 update.
 - **Appendix 6710-T2, *Emergency Planning and Community-Right-to-Know***, changes were posted uploaded on June 30, 2005 as part of the EH&S Manual 7.5 update.
 - **Chapter 6711, *Environmental Monitoring***, Level 4 review packages were delivered on Friday, June 3, 2005 for distribution to Director's Council on Wednesday, June 8, 2005. Approvals were provided by June 22, 2005. At month's end, we were reviewing approval sheets, reconciling comments and preparing the chapter for upload to the online manual.
 - **Chapter 6720, *Air Quality Management*** – sent request to author for Level 4 summary of changes at the start of the month. The author responded mid-month with additional changes to the chapter and will provide summary after changes have been posted in the comparison document.
 - **Chapter 6731, *Groundwater Protection*** – received additional author markups to address Level 3 input and an updated Figure 2. At month's end, we were creating a revised Level 4 comparison document.
 - **Chapter 6732, *Oil Spill Prevention, Control, and Countermeasures*** – the chapter is ready for Director's Council review/approval pending the receipt of the author's summary of changes.
 - **Chapter 6733, *Stormwater Pollution Prevention*** – we are awaiting the author's feedback on the Level 4 review documents before sending the chapter to the Director's Council for review/approval.
 - **Chapter 6750, *Environmentally Harmful Materials*** – we are awaiting the author's feedback on the PMG Manager's comments prior to Level 3 distribution.
 - **Chapter 6760, *Waste and Recyclable Materials Management*** – Level 3 review delayed due to recent changes in the Facilities Management organization that the author feels should be reflected in the chapter.
 - **Chapter 6761, *Hazardous Waste Management*** – we are awaiting the author's feedback on the Level 2 comments prior to distributing the chapter for Level 3 review.

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➤ Chapters Awaiting New Authors

- Chapter 5100, *Inspections and Assessments*
- Chapter 6120, *Hand and Power Tools*
- Chapter 6121, *Machine Tools*
- Chapter 6131, *Trip and Fall Protection*
- Chapter 6132, *Ladders and Scaffolds*
- Chapter 6810, *Medical Emergencies*
- Chapter 6840, *Bloodborne Pathogen Protection*
- Chapter 6850, *Regulated Medical Waste Management*

➤ Chapters Overdue for Triennial Review

- Chapter 3110, *EH&S Assessments of New Facility Plans*
- Chapter 3210, *Hazard Identification and Characterization*
- Chapter 3510, *Emergency Management Plan* and appendices
- Chapter 3520, *Chemical Assistance Team*
- Chapter 4200, *EH&S Training Overview* and its appendices
- Chapter 6105, *Office Safety* and its appendix
- Chapter 6121, *Machine Tools*
- Chapter 6131, *Trip and Fall Protection*
- Chapter 6132, *Ladders and Scaffolds*
- Chapter 6146, *Tunnel Vehicles*
- Chapter 6150, *Compressed Gases*
- Chapter 6151, *Pressure and Vacuum Vessels* and its appendices
- Chapter 6160, *Confined Space Entry* and its appendices
- Technical Appendix 6210-T3, *Storage Battery Use*
- Chapter 6430, *UV, Visible, and Infrared Radiation* and its appendices
- Chapter 6610, *Chemical Hygiene* and its appendices
- Chapter 6670, *Thermal Stress*
- Chapter 6681, *Asbestos Management*
- Chapter 6682, *Beryllium Handling and Exposure*
- Chapter 6820, *Medical Monitoring and Certification*
- Chapter 6830, *Medical Management of Occupational Injuries/Illnesses*
- Chapter 6910, *Fire Protection Program Summary*
- Chapter 6930, *Fire Protection Systems*
- Chapter 6940, *Portable Fire Extinguishers* and its appendix
- Chapter 6950, *Fire Safety Construction Requirements* and its appendix

➤ Director's Council Packages [Level 4 Review]

- DCREV6805
 - Chapter 6440 and appendices
 - Chapter 6711 and related EP Supplement section
- DCREV62905
 - Chapter 6140 and appendices

EH&S Policies & Manual Group Highlights

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➤ Chapters/Appendices Updates Completed w/o Director's Council Review

- EH&S Manual Rev 7.5 – See EHSLOG #[1278056](#)
 - Technical Appendix 6710-T2, *Emergency Planning and Community Right-to-Know* – added definition for radionuclides as hazardous substances per 40 CFR 302.4, Appendix B.
 - Chapter 6630, *Respiratory Protection* – revised voluntary use respirator section and moved it to the end of the chapter. Added reference to Hall B escape smoke hoods as an example of voluntary use respirator used at JLab.
 - Chapter 3230, *Communication of Hazards to Visitors* - no substantive changes, chapter went through its triennial review with no formal review necessary.

➤ EH&S Manual Revision Status – Color Coded Table

- The color coded table of EH&S Manual chapters and appendices (dated July 1, 2005) can be viewed at: http://docushare.jlab.org/Get/File-8112/Color_coded_table-7-1-05.xls

Next update will be in September 2005